

29. The method of claim 27, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

30. The method of claim 27, wherein said first request signal and said data are transmitted to the communication controller via a first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

31. The method of claim 30, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

32. The method of claim 27 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.

33. A computer program product comprising a computer usable medium having computer readable code embodied therein, the computer readable code comprising computer code for implementing the method of claim 27.

34. A communication controller in a data network, the data network including a plurality of nodes, the communication controller comprising:

at least one CPU;

memory; and

at least one interface for communicating with the plurality of nodes;

the communication controller being configured or designed to transmit a first signal from the communication controller to at least one network node including a first node, the first signal including information relating to a specific timeslot in which the first node may transmit a first request signal to the communication controller;

the communication controller being further configured or designed to receive a first request signal from the first node, said first request signal being transmitted by the first node in response to the first signal, said first request signal including a request for a portion of bandwidth to be allocated to the first node for transmitting data from the first node to the communication controller;

the communication controller being further configured or designed to allocate, in response to the first request signal, at least one timeslot on a first channel to the first node for transmitting said data;

the communication controller being further configured or designed to transmit a second signal to the first node, said second signal including information specifying the at least one timeslot allocated to the first node for transmitting data to the communication controller via the first channel; and

the communication controller being further configured or designed to receive data from the first node via said first channel, the data being transmitted from the first node in response to the first node receiving the second signal.

35. The communication controller of claim 34 wherein the data is transmitted from the first node at a timeslot specified by the second signal.

36. The communication controller of claim 34, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

37. The communication controller of claim 34, wherein said first request signal and said data are transmitted to the communication controller via the first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

38. The communication controller of claim 37, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

39. The communication controller of claim 34 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.

40. A network node in a data network, the data network including a communication controller and a plurality of nodes, the network node comprising:

at least one processor;

memory; and

at least one interface for communicating with the communication controller;

the network node being configured or designed to receive a first signal from the communication controller, the first signal including information relating to a specific timeslot in which the first node may transmit a first request signal to the communication controller;

the network node being further configured or designed to transmit, in response to the first signal, a first request signal to the communication controller, said first request signal including a request for a portion of bandwidth to be allocated to the first node for transmitting data from the first node to the communication controller;

the network node being further configured or designed to receive a second signal from the first node, said second signal including information specifying the at least one timeslot allocated to the first node for transmitting data to the communication controller via the first channel; and

the network node being further configured or designed to transmit, in response to the second signal, data to the communication controller via said first channel.

41. The network node of claim 40 wherein the data is transmitted from the first node at a timeslot specified by the second signal.

42. The network node of claim 40, wherein the first request signal is a time slotted signal carried on a predetermined frequency.

43. The network node of claim 40, wherein said first request signal and said data are transmitted to the network node via the first channel, and wherein the second signal and the first signal are transmitted to the first node via a second channel.

44. The network node of claim 43, wherein the first channel is a time-slotted channel carried on a first frequency, and wherein the second channel is a time-slotted channel carried on a second frequency.

45. The network node of claim 40 wherein said system is a pager system, wherein said communication controller comprises a base station, and wherein said first node is a pager device.--